

BIT 2nd Semester

Title: Database Management System

Time: 2 and half hrs.

Session: 2011

Paper: 204

Max Marks: 80

Min P.M.Ks: 32

Note: Attempt all the questions from Section A and Section B and only two questions from Section C.

Section A: (Very Short Answer Type Questions)

Q1.

- i. What is RDBMS?
- ii. What is the main difference between DBMS & RDBMS?
- iii. Give any two statements/commands under DCL?
- iv. Explain Select statement with example?
- v. Write down syntax of INSERT statement?
- vi. What does BCNF stand for?
- vii. Give any one disadvantage of DBMS?
- viii. Enlist two properties of a primary key.

Section B: (Short Answer Type Questions)

Q2. Explain all the components of DBMS.

Q3. How to do data modeling using the entity relationship approach? Explain.

Q4. What is normalization? Explain 3rd normal form with the help of suitable example.

Q6. Explain use and syntax of cursor in PL/SQL.

Section C: (Long Answer Type Questions)

Q6. Explain advantages and disadvantages of file system over DBMS.

Q7. Explain the different data model classifications.

Q8. Explain the following:-

- i. Functional Dependency.
- ii. Difference between 1st and second normal forms with examples.
- iii. Lossless join property.

Q9. What is trigger? How to create a trigger? Give an example. Also, explain function.